

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/589,253	06/07/2000	Kerimcan Engin	3212/3	8672
48490 7	7590 09/23/2005	EXAMINER		
MICHAEL K. LINDSEY GAVRILOVICH, DODD & LINDSEY, LLP			SUBRAMANIAN, NARAYANSWAMY	
330 E. MAIN ST., SUITE 205			ART UNIT	PAPER NUMBER
BARRINGTO	BARRINGTON, IL 60010		3624	

DATE MAILED: 09/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/589,253	ENGIN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Narayanswamy Subramanian	3624				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D. (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 31 Ma	av 2005	·				
· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • • •					
<u>-</u>	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>11-17, 19, 20 and 25-32</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)☐ Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.	7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers .						
9) The specification is objected to by the Examine	r.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correcti	ion is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of:						
 Certified copies of the priority documents 	s have been received.	,				
Certified copies of the priority documents	s have been received in Applicati	on No				
3. Copies of the certified copies of the prior	ity documents have been receive	ed in this National Stage				
application from the International Bureau	• •					
* See the attached detailed Office action for a list of	of the certified copies not receive	d.				
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da					
S Patent and Trademark Office						

Application/Control Number: 09/589,253 Page 2

Art Unit: 3624

DETAILED ACTION

Requirement for Information

- 1. Applicant and the assignee of this application are required under 37 CFR 1.105 to provide the following information that the examiner has determined is reasonably necessary to the examination of this application.
- (1) A copy of any non-patent literature, published application, or patent (U.S. or foreign), by any of the inventors, or information that was used in the invention process, such as by designing around or providing a solution to accomplish an invention result. In response to this requirement, please provide the title, citation and copy of each publication that any of the applicants relied upon to develop the disclosed subject matter that describes the applicant's invention, particularly as to developing the features of: receiving a plurality of investment strategies from a plurality of investment advisors, each of the investment strategies being updated periodically and including a plurality of trade recommendations, wherein each of the trade recommendations specifies a financial instrument and terms necessary for trading the financial instrument in a respective financial market; allowing an investor to subscribe to the investment strategies; applying investor-defined management weights to the investment strategies to generate a weighted portfolio of trade recommendations the management weights defining the percentage of investor portfolio funds available for investing in the subscribed investment strategies, delivering the weighted portfolio of trade recommendations to the investor over the computer network during a trade recommendation distribution period; allowing the investor to accept, reject, or modify each of the trade recommendations of the weighted portfolio of trade recommendations to produce a sequence of customized trade recommendations; and

Art Unit: 3624

permitting the investor to enter one or more investor trade recommendations based on an investor-defined strategy. For each publication, please provide a concise explanation of the reliance placed on that publication in the development of the disclosed subject matter.

- (2) A working prototype of the invention that can be tested by the examiner. Is the invention currently available commercially? In response to this requirement, please provide the names of any products or services that have incorporated the claimed subject matter.
- (3) The trade names and providers of any products or services in competition with the invention.
 - (4) Identification of the true assignees of the current invention.
- 2. In responding to those requirements that require copies of documents, where the document is a bound text or a single article over 50 pages, the requirement may be met by providing copies of those pages that provide the particular subject matter indicated in the requirement, or where such subject matter is not indicated, the subject matter found in applicant's disclosure.

The fee and certification requirements of 37 CFR 1.97 are waived for those documents submitted in reply to this requirement. This waiver extends only to those documents within the scope of the requirement under 37 CFR 1.105 that are included in the applicant's first complete communication responding to this requirement. Any supplemental replies subsequent to the first communication responding to this requirement and any information disclosures beyond the scope of this requirement under 37 CFR 1.105 are subject to the fee and certification requirements of 37 CFR 1.97 where appropriate.

Application/Control Number: 09/589,253 Page 4

Art Unit: 3624

The applicant is reminded that the reply to this requirement must be made with candor and good faith under 37 CFR 1.56. Where the applicant does not have or cannot readily obtain an item of required information, a statement that the item is unknown or cannot be readily obtained will be accepted as a complete reply to the requirement for that item.

This requirement is subject to the provisions of 37 CFR 1.134, 1.135 and 1.136 and has a shortened statutory period of 2 months. EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dr. Narayanswamy Subramanian whose telephone number is (571) 272-6751. The examiner can normally be reached Monday-Thursday from 8:30 AM to 7:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vincent Millin can be reached at (571) 272-6747. The fax number for Formal or Official faxes and Draft to the Patent Office is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

N. Subramanian September 12, 2005

Jagdish N. Patel

Primary Examiner

4. Claim 38 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bhakta and Lin as applied to claim 35 above, and further in view of Ishii (US 5,744,862, previously cited.)

In regard to claim 38, the combination of Bhakta and Lin discloses all of the claimed limitations as mentioned above including a recess in the substrate. This recess, however, does not include a portion of the first integrated circuit as claimed.

Ishii, in fig. 2, for example, discloses an analogous device including a substrate, a first chip and second chip. The substrate further includes a recess wherein the portions of the chips are embedded therein. By having portions of the chips in the recess the thickness of the whole package is significantly reduced.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include portions of the device in the recess as taught by Ishii in order to take the advantage as mentioned above.

5. Claims 44 and 63 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bhakta and Lin as applied to claims 35-36, 39-40, 42-43, 45-46, 49-53, 54-58, 59-62, and 64-67 above, and further in view of Herrell et al. (US 6,828,666, newly cited, hereinafter, Herrell.)

In regard to claims 44 and 63, the combination of Bhakta and Lin discloses all of the claimed limitations as mentioned above except the substrate is a ceramic ball-grid array. Herrell discloses an analogous package including multiple chips mounted on a ceramic ball-grid array in order to reduce the difference in thermal coefficient between the substrate and the dies.

Art Unit: 2814

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to substitute the ceramic substrate as taught by Herrell in order to take the advantage as mentioned above.

Response to Arguments

6. Applicant's arguments with respect to claims 35-67 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nathan W. Ha whose telephone number is (571) 272-1707. The examiner can normally be reached on M-TH 8:00-7:00(EST).

Application/Control Number: 10/648,029 Page 7

Art Unit: 2814

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nathan Ha August 10, 2005

PRIMARY EXAMINER